

42390.P7511



PATENT

#124 Amended  
11/24/01

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Ali Keshavarzi et al.

Application No.: 09/469,406

Filed: December 22, 1999

For: DECOUPLING CAPACITORS FOR THIN  
GATE OXIDES

Examiner: Donghee Kang

Art Unit: 2811

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Commissioner for Patents  
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AMENDMENT

Sir:

This is in response to the non-final Office action dated June 5, 2001. Reconsideration of the application is requested.

ENTIRE SET OF PENDING CLAIMS (Clean version)

29. (New) A die, comprising:
- a first conductor carrying a power supply voltage;
  - a second conductor carrying a ground voltage; and
  - a semiconductor decoupling capacitor to provide decoupling capacitance between the first and second conductors, the semiconductor decoupling capacitor including:
    - (a) a gate electrode coupled to the first conductor to receive the power supply voltage,
    - (b) a diffusion coupled to the second conductor to receive the ground voltage, and
    - (c) a body to receive the ground voltage through the diffusion, the semiconductor decoupling capacitor thereby being in depletion mode.

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FC:102  
FC:103

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